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7FF

SSSSSSSSSSSS	MMM	MMM	GGGGGGGGGGGG	RRRRRRRRRRRR	TTTTTTTTTTTTTT	LLL
SSSSSSSSSSSS	MMM	MMM	GGGGGGGGGGGG	RRRRRRRRRRRR	TTTTTTTTTTTTTT	LLL
SSSSSSSSSSSS	MMM	MMM	GGGGGGGGGGGG	RRRRRRRRRRRR	TTTTTTTTTTTTTT	LLL
SSS	MMMMMM	MMMMMM	GGG	RRR	TTT	LLL
SSS	MMMMMM	MMMMMM	GGG	RRR	TTT	LLL
SSS	MMMMMM	MMMMMM	GGG	RRR	TTT	LLL
SSS	MM	MM	GGG	RRR	TTT	LLL
SSS	MM	MM	GGG	RRR	TTT	LLL
SSS	MM	MM	GGG	RRR	TTT	LLL
SSS	MM	MM	GGG	RRR	TTT	LLL
SSS	SSSSSS	MM	MM	GGG	RRRRRRRRRR	TTT
SSS	SSSSSS	MM	MM	GGG	RRRRRRRRRR	TTT
SSS	SSSSSS	MM	MM	GGG	RRRRRRRRRR	TTT
SSS	SSS	MM	MM	GGG	GGGGGGGG	RRR RRR
SSS	SSS	MM	MM	GGG	GGGGGGGG	RRR RRR
SSS	SSS	MM	MM	GGG	GGGGGGGG	RRR RRR
SSS	SSS	MM	MM	GGG	GGGGGGGG	RRR RRR
SSS	SSS	MM	MM	GGG	GGGGGGGG	RRR RRR
SSS	SSSSSSSS	MM	MM	GGGGGGGG	RRR	RRR
SSS	SSSSSSSS	MM	MM	GGGGGGGG	RRR	RRR
SSS	SSSSSSSS	MM	MM	GGGGGGGG	RRR	RRR

...

SSSSSSSS	SSSSSSSS	MM	MM	GGGGGGGG	GGGGGGGG	TTTTTTTT	TTTTTTTT	RRRRRRRR	RRRRRRRR	MM	MM	MM	MM	MM	AA	AA	CCCCCCCC
SS	SS	MMMM	MMMM	GG	GG	TT	TT	RR	RR	MMMM	MMMM	MMMM	MMMM	MMMM	AA	AA	CCCC
SS	SS	MMMM	MMMM	GG	GG	TT	TT	RR	RR	MM	MM	MM	MM	MM	AA	AA	CCCC
SS	SS	MM	MM	GG	GG	TT	TT	RR	RR	MM	MM	MM	MM	MM	AA	AA	CCCC
SSSSSS	SSSSSS	MM	MM	GG	GG	TT	TT	RRRRRRRR	RRRRRRRR	MM	MM	MM	MM	MM	AA	AA	CCCC
SS	SS	MM	MM	GG	GG	TT	TT	RRRRRRRR	RRRRRRRR	MM	MM	MM	MM	MM	AA	AA	CCCC
SS	SS	MM	MM	GG	GG	TT	TT	RR	RR	MM	MM	MM	MM	MM	AA	AA	CCCC
SS	SS	MM	MM	GG	GG	TT	TT	RR	RR	MM	MM	MM	MM	MM	AA	AA	CCCC
SSSSSSSS	SSSSSSSS	MM	MM	GGGGGG	GGGGGG	TT	TT	RR	RR	MM	MM	MM	MM	MM	AA	AA	CCCC
SSSSSSSS	SSSSSSSS	MM	MM	GGGGGG	GGGGGG	TT	TT	RR	RR	MM	MM	MM	MM	MM	AA	AA	CCCC

RRRRRRRR	EEEEEEEEE	QQQQQQ		
RRRRRRRR	EEEEEEEEE	QQQQQQ		
RR	RR	EE	QQ	QQ
RR	RR	EE	QQ	QQ
RR	RR	EE	QQ	QQ
RR	RR	EE	QQ	QQ
RRRRRRRR	EEEEEEEEE	QQQQQQ		
RRRRRRRR	EEEEEEEEE	QQQQQQ		
RR	RR	EE	QQ	QQ
RR	RR	EE	QQ	QQ
RR	RR	EE	QQ	QQ
RR	RR	EE	QQ	QQ
RR	RR	EEEEEEEEE	QQQQ	QQ
RR	RR	EEEEEEEEE	QQQQ	QQ

XTITLE 'SMGTRMMAC.REQ - Macros for TERMTABLE'
! Module: SMGTRMMAC.REQ Edit: PLL1001

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FACILITY: Screen Management

ABSTRACT:

This require file contains macros used in the creation of TERMTABLE.EXE.

MODIFIED BY:

1-001 - Original. PLL 30-JAN-1984

Macro SINCR_CAP_STRING_SIZE

Add the specified number of bytes to the capability string size.
We may be dealing with a negative size if extra processing is needed.

MACRO SINCR_CAP_STRING_SIZE (NUMBER_BYTES, STRING_SIZE) =
BEGIN
 IF .STRING_SIZE LSS 0
 THEN
 STRING_SIZE = .STRING_SIZE - NUMBER_BYTES
 ELSE
 STRING_SIZE = .STRING_SIZE + NUMBER_BYTES;
END;%:
!+

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! Macro \$INCR_CUR_DATA_BYTE

! Update the currently available data byte by the number of bytes
! just written. If this is the first byte of the string, then we
! also wrote a byte count.

!-

MACRO \$INCR_CUR_DATA_BYTE (NUMBER_BYTES, FIRST_FLAG) =

BEGIN AP [PARAM_L_CUR_DATA_BYTE] = .AP [PARAM_L_CUR_DATA_BYTE] +
NUMBER_BYTES +
(IF FIRST_FLAG
THEN 2 ! 1 for size, 1 for kind
ELSE 0);

SMGSSDATA_OFFSET = .SMGSSDATA_OFFSET + NUMBER_BYTES +
(IF FIRST_FLAG
THEN 2
ELSE 0);

END; %;

!+
! Macro to update the size of an arithmetic capability. This size
! will be negative.

MACRO \$UPDATE_ARITH_STRING_SIZE (NUMBER_BYTES) =

BEGIN
BIND
CAP_PTRS = .AP [PARAM_L_CUR_TERM_DEF] : VECTOR [,WORD];
LOCAL
CAP_SIZE : REF VECTOR [,BYTE,SIGNED];
CAP_SIZE = .AP [PARAM_L_CUR_TERM_DEF] +
.CAP_PTRS [.*AP [PARAM_L_CUR_CAP_NUMBER]];
CAP_SIZE [0] = .CAP_SIZE [0] - NUMBER_BYTES;

END; %;

!+
! We fill buffers with data and then do a block I/O write when we reach
! the end of a definition or when the buffer is full. Here we check to
! see if the buffer is full (ie. if there is room for the number of bytes
! we are about to put in it).
!-

MACRO \$CHECK_BUFFER_OVERFLOW (BYTES_TO_WRITE) =

BEGIN
LOCAL
REMAINING_BYTES;
REMAINING_BYTES = SMGSK_CAP_DATA_SIZE -
.AP [PARAM_L_CUR_DATA_BYTE] - .AP [PARAM_A_CAP_DATA];
IF BYTES_TO_WRITE GTR .REMAINING_BYTES
THEN

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END;%: CALLG (.AP, SMG\$SWRITE_DATA);
! End of file SMGTRMMAC.REQ

SPC

0355 AH-BT13A-SE
VAX/VMS V4.0

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